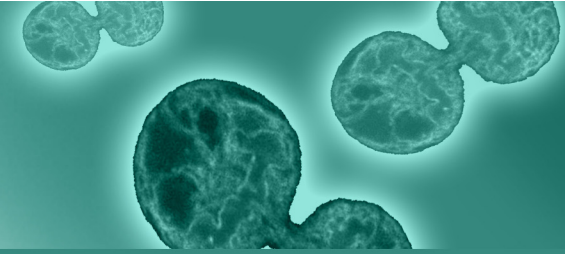


KRAS gene

(exons only)



START																																		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
ATGACTGAATATAAACTTGTGGTAGTTGGAGCTGGTGGCGTAGGCAAGAGTGCCTTGACGATACAGCTAATTCAGAATCATTTTTGTGGACGAATATGATCCA																																		
		10			20			30			40			50			60			70			80			90			100					
35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	
ACAATAGAGGATTCCCTACAGGAAGCAAGTAGTAATTGATGGAGAAACCTGTCTCTTGATATTCTCGACACAGCAGGTCAAGAGGAGTACAGTGCAATGAGG																																		
		110			120			130			140			150			160			170			180			190			200					
69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	
GACCAGTACATGAGGACTGGGGAGGGCTTTCTTTGTGTATTTGCCATAAATAACTAAATCATTTGAAGATATTCACCATTATAGAGAACAAATTTAAAAGA																																		
		210			220			230			240			250			260			270			280			290			300					
103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137
GTTAAGGACTCTGAAGATGTACCTATGGTCTTAGTAGGAAATAAATGTGATTTGCCTTCTAGAACAGTAGACACAAAACAGGCTCAGGACTTAGCAAGAAGTTAC																																		
		310			320			330			340			350			360			370			380			390			400			410		
138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172
GGAATTCCTTTTATTGAAACATCAGCAAAGACAAGACAGGGTGTGATGATGCCTTCTATACATTAGTTTCGAGAAATTCGAAAAATTAAGAAAAGATGAGCAA																																		
		420			430			440			450			460			470			480			490			500			510					
173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	STOP																	
GATGGTAAAAAGAAGAAAAAGAAGTCAAAGACAAAGTGTGTAATTATGTAA																																		
		520			530			540			550			560																				